

LISTA LUCRĂRILOR ȘTIINȚIFICE

Candidat: CS I. Dr.ing., ec. LAKATOS, P. Elena-Simina

LISTA LUCRĂRILOR RELEVATE PENTRU REALIZĂRILE PROFESIONALE

TEZĂ DE DOCTORAT:

1. Corporate social responsibility through partnerships between businesses and NGOs for company sustainability (*Abordarea responsabilității sociale corporative prin parteneriate între mediul de afaceri și ONG-uri pentru sustenabilitatea întreprinderii*), conducător științific Prof.dr.ing. Dan Căndea, Universitatea Tehnică din Cluj-Napoca, România și Prof.dr.ec Vesa Puhakka, Universitatea Oulu, Finlanda; teză de doctorat în cotutelă România-Finlanda, domeniul Inginerie și Management, susținută în 25.09.2011.

Ordinul Ministrului Educației, Cercetării, Tineretului și Sportului nr. 6468 din 07.11.2011

CĂRȚI/ CAPITOLE PUBLICATE ÎN EDITURI NAȚIONALE RECUNOSCUTE

CNCSIS:

1. **Lakatos E.S.**, (2023). Economia circulară. Concepte și considerente practice. Editura MEGA, Cluj-Napoca, ISBN 978-606-020-633-0.
2. **Lakatos E.S.**, (2021). Strategia României pentru economia circulară – o viziune în lucru, România sustenabilă: concepte și instrumente-suport pentru o transformare circulară a economiei românești: O viziune asupra viitorului, A.M. (et. all.), vol.6, Editura Bibliotecii Naționale a României, pp. 616-626, ISBN 978-606-95075-2-0.

3. **Lakatos E.S.**, Cioca L.I., Bacali L., Păcurariu A.L., (2021). Introducere în economia circulară, Institutul pentru Cercetări în Economie Circulară și Mediu „Ernest Lupan”, Casa de Editură Colorama, pp.190, ISBN 978-606-905.
4. **Lakatos E.S.**, Bîrgovan A.L., Păcurariu A.L., (2020). Antreprenariat în economia socială, Casa de Editură Colorama, pp.140, ISBN 978-606-9056-36-3.
5. **Lakatos E.S.**, (2014). „Abordarea responsabilității sociale corporative prin parteneriate între mediul de afaceri și ONG-uri pentru sustenabilitatea întreprinderii”, Editura MEGA, Cluj-Napoca, ISBN 978-606-543-508-7.
6. **Lakatos, E.S.**, Cîndea, D. & Puhakka, V., (2011). „Trends related to the creation of partnerships between smes and NGOs in order to sustain the enterprise - a comparative research between Romania and Finland", o serie de publicații a centrului de Eco-management, Cîndea D. (et. all.), Ed. UT Press, vol.6, pp.9-40, Cluj-Napoca, ISBN: 978-973-662-646-3.
7. **Lakatos E.S.**, (et. all.), 2011, „Materiale și tehnologii pentru viitor”, coord.: Elena-Simina Lakatos, Cluj-Napoca, Ed. Alma Mater, pp. 39, ISBN 978-606-504-116-5.
8. **Lakatos E.S.**, (et. all.), (2010). „Ziua Internațională a Zonelor Urbane", coord.: Elena-Simina Lakatos, Cluj-Napoca, Editura Alma Mater, pp.339, ISBN 978-606-504-115-8.
9. **Lakatos, E.S.** & Cîndea, D., (2010). „Parteneriate dintre mediul de afaceri și ONG-uri pentru sustenabilitatea întreprinderii - cercetări și studii", o serie de publicații ale centrului de Eco-management, Cîndea D. (et. all.), vol.5, pp.149-172, Cluj-Napoca, Ed. UT Press, ISBN: 978-973-662-646-3.

CĂRȚI/ CAPITOLE PUBLICATE ÎN EDITURI INTERNAȚIONALE RECUNOSCUTE CNCSIS (ISI Book):

1. Bercea, O. B., Lakatos, E. S., & Bacali, L. (2019). Comparative Study Regarding Organizational Culture: Nonprofit. In Civil Society: The Engine for Economic and Social Well-Being: The 2017 Griffiths School of Management and IT Annual Conference on Business, Entrepreneurship and Ethics (GMSAC), p.41-52, Springer, ISSN 2198-7246, ISSN 2198-7254 (electronic), Springer Proceedings in Business and Economics, ISBN 978-3-319-89871-1, ISBN 978-3-319-89872-8 (eBook) <https://doi.org/10.1007/1978-3-319-89872-8978-3-319-96531-4>, ISBN 978-3-319-96532-1.

Articole/studii publicate în reviste ISI, cu factor de:

1. Soare, M. G., **Lakatos, E. S.**, Ene, N., Malo, N., Popa, O., & Babeanu, N. (2019). The potential applications of Bacillus sp. and Pseudomonas sp. strains with antimicrobial activity against phytopathogens, in waste oils and the bioremediation of hydrocarbons. Catalysts, 9(11), 959. Link: <https://doi.org/10.3390/catal9110959> [Q2]
2. **Lakatos, E. S.**, Yong, G., Szilagyi, A., Clinci, D. S., Georgescu, L., Iticescu, C., & Cioca, L. I. (2021). Conceptualizing core aspects on circular economy in cities. Sustainability, 13(14), 7549. Link: <https://doi.org/10.3390/su13147549> [Q2]
3. Pacurariu, R. L., Vatca, S. D., **Lakatos, E. S.**, Bacali, L., & Vlad, M. (2021). A Critical Review of EU Key Indicators for the Transition to the Circular Economy. International Journal of Environmental Research and Public Health, 18(16), 8840. Link: <https://doi.org/10.3390/ijerph18168840> [Q1]
4. **Lakatos, E. S.**, Nan, L. M., Bacali, L., Ciobanu, G., Ciobanu, A. M., & Cioca, L. I. (2021). Consumer Satisfaction towards Green Products: Empirical Insights from Romania. Sustainability, 13(19), 10982. Link: <https://doi.org/10.3390/su131910982> [Q2]

5. Bîrgovan, A. L., Vatca, S. D., Bacali, L., Szilagyi, A., **Lakatos, E. S.**, Cioca, L. I., & Ciobanu, G. (2022). Enabling the Circular Economy Transition in Organizations: A Moderated Mediation Model. *International Journal of Environmental Research and Public Health*, 19(2), 677. Link: <https://doi.org/10.3390/ijerph19020677> [Q1]
6. Bîrgovan, A. L., **Lakatos, E. S.**, Szilagyi, A., Cioca, L. I., Pacurariu, R. L., Ciobanu, G., & Rada, E. C. (2022). How should we measure? A review of circular cities indicators. *International journal of environmental research and public health*, 19(9), 5177, Link: <https://doi.org/10.3390/ijerph19095177> [Q1]
7. Bîrgovan, L. A., Szilagyi, A., **Lakatos, E. S.**, Bacali, L., & Maier, D. (2022). Evaluation grid of circular economy indicators for circular business models: an analysis based on business value. *Acta Technica Napocensis*, ISSN 1221-5872, ISSN (online) 2393-2988, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65(1s), p.9-19. Link: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/1730/1391>
8. **Lakatos E.S.**, Cioca L.I., Szilagyi A., Vladu M.G., Stoica R.M., Moscovici M. (2022). A Systematic Review on Biosurfactants Contribution to the Transition to a Circular Economy. *Processes*. 10(12):2647. Link: <https://doi.org/10.3390/pr10122647>
9. Chiriluș, G. V., **Lakatos, E. S.**, Bălc, R., Bădărău, A. S., Cioca, L. I., David, G. M., & Roșian, G. (2022). Assessment of organic carbon sequestration from Romanian degraded soils: Livada Forest Plantation Case Study. *Atmosphere*, 13(9), 1452. <https://doi.org/10.3390/atmos13091452> [Q2]
10. Stoica, R. M., Moscovici, M., **Lakatos, E. S.**, & Cioca, L. I. (2023). Exopolysaccharides of Fungal Origin: Properties and Pharmaceutical Applications. *Processes*, 11(2), 335. <https://doi.org/10.3390/pr11020335>
11. **Lakatos, E. S.**, Cioca, L. I., Szilagyi, A., Bîrgovan, A. L., & Rada, E. C. (2023). Smokers' Attitude and Behavior towards Cigarette Littering in Romania: A Survey-Based Approach. *Sustainability*, 15(15), 11908. <https://doi.org/10.3390/su151511908> Gherman, I. E., Lakatos, E. S., Clinci, S. D., Lungu, F., Constandoiu, V. V., Cioca, L. I., & Rada, E. C. (2023).

- Circularity Outlines in the Construction and Demolition Waste Management: A Literature Review. *Recycling*, 8(5), 69. <https://doi.org/10.3390/recycling8050069>, [Q2]
12. Ragazzi, M., Conti, F., Torretta, V., Romagnoli, F., Zatelli, C., Ghiringhelli, G., **Lakatos, E. S.** & Rada, E. C. (2024). MSW Management in Two Italian Mountainous Areas. *Environmental and Climate Technologies*, 28(1), 84-93. <https://doi.org/10.2478/rtuect-2024-0008>
 13. Birgovan, A. L., **Lakatos, E. S.**, Nita, V., & Sim, A. (2024). A Review of Circularity Indicators and Psychological Factors: A Comprehensive Analysis of Circularity Practices in Organizations. *Economics Ecology Socium*, 8(1), 16-26. <https://doi.org/10.61954/2616-7107/2024.8.1-2>
 14. David, G. M., **Lakatos, E. S.**, Bacali, L., Lakatos, G. D., Danu, B. A., Cioca, L. I., & Rada, E. C. (2024). Key Factors Influencing Consumer Choices in Wood-Based Recycled Products for Circular Construction Sector. *Sustainability*, 16(20), 8767. <https://doi.org/10.3390/su16208767>, [Q2]
 15. **Lakatos, E. S.**, Pacurariu, R. L., Bîrgovan, A. L., Cioca, L. I., Szilagy, A., Moldovan, A., & Rada, E. C. (2024). A Systematic Review of Living Labs in the Context of Sustainable Development with a Focus on Bioeconomy. *Earth*, 5(4), 812-843. <https://doi.org/10.3390/earth5040042> [Q2]
 16. Nan, L. M., Pacurariu, R. L., **Lakatos, E. S.**, Bacali, L., Hoinaru, R., & Cioca, L. I. (2025). A Comprehensive Model of Green Brand Assessment in the IT Industry. *Sustainability*, 17(3), 1336. <https://doi.org/10.3390/su17031336>, [Q2]
 17. Druta R.M., Munteanu R.A., Koval V., Kot S., Cioca L.I., Rada E.C., **Lakatos, E. S.**, (2025). A review of the adoption of green energy in households for sustainable development, *Acta Tehnica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering*, Vol. 61, Issue I.

ARTICOLE ISI PROCEEDINGS (CONFERINȚE)

1. Bercea, O.B., Bacali, L., **Lakatos, E.S.**, Bacali, L.A., Potra, R.L. (2018). Application for certification as a social enterprise in romania: assessment of the administrative process. Review of Management and Economic Engineering RMEE 2018, Proceedings of the 6 th International Management Conference, Performance Management or Management Performance?, 20th -22nd Sept.2018 Cluj Napoca, Romania, Published in: RMEE2018 Proceedings by Todesco Publishing House, Pages: 417-423, Publication year: 2018, ISSN: 2247 - 8639, ISSN-L=2247-8639. Link: <https://www.webofscience.com/wos/woscc/full-record/WOS:000471723700058>
2. Bacali, L.A., Nan, L.M., **Lakatos, E.S.** (2018). Current approaches to the orientation towards requirements in the development of educational spaces and environment. Site usage requirements. Review of Management and Economic Engineering RMEE 2018, Proceedings of the 6 th International Management Conference, Performance Management or Management Performance?", 20th -22nd Sept.2018 Cluj Napoca, Romania, Published in: RMEE2018 Proceedings by Todesco Publishing House, Pages: 217-222, Publication year: 2018, ISSN: 2247 - 8639, ISSN-L=2247-8639. Link: <https://www.webofscience.com/wos/woscc/full-record/WOS:000471723700031>
3. Barkoczia, N., **Lakatos, E.S.**, & Bacali, L. A. (2017). An innovation diffusion model for new mobile technologies acceptance. Meeting13th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC), Cluj Napoca, Romania 12-13 OCT, 2017, In MATEC Web of Conferences (Vol. 137, p. 07001). EDP Sciences. Link: DOI10.1051/mateconf/201713707001
4. **Lakatos, E.S.**, Greenley, M., Bacali, L., Boscoianu, M., & Vaida, R. (2016). The Potential of Renewable Energy in the Republic of Moldova: A Case Study. In Applied Mechanics and Materials (Vol. 841, pp. 91-96). Trans Tech Publications Ltd. Link: <https://doi.org/10.4028/www.scientific.net/AMM.841.91>
5. Vaida, R., Bacali, L., **Lakatos, E.S.**, Barkoczi, N. (2016). Consumer neuroscience-research instruments and short history. s, Review of Management and Economic Engineering,5th

International Management Conference "From Management of Crisis to management in a Time of Crisis", ISSN 2247 – 8639.

6. **Lakatos, E. S.**, Candea, D., Mirea, M. A. (2011). Trends in Building Partnerships Between SMEs and NGOs for Sustainable Enterprises in Romania. Review of Management and Economic Engineering International Management Conference, Proceedings of the 2nd review of management and economic engineering management conference, 15th-17nd Sept.2011 Cluj Napoca, Romania, Published in: RMEE2011, Proceedings by Todesco Publishing House, ISSN 2247-8639, p.437-445.

Articole/studii în extenso, publicate în reviste indexate BDI

1. Danciu, A. M., Păcurariu, R. L., **Lakatos, E. S.**, Greenley, M., Ciomoș, A. O., & Bacali, L. (2019). The road towards a social circular economy in Romania. Review of Applied Socio-Economic Research, 18(2), 5-18. Link: <https://www.reaser.eu/ojs/ojs-3.1.2-1/index.php/REASER/article/view/20>
2. **Lakatos, E. S.**, Vlad, M. F., Pacurariu, R. L., Szilagyi, A., & Cadar, D. (2021). A New, Consonant Approach of Circular Economy Based on the Conservation of the Fundamental Scalars of Physics. Circular Economy and Sustainability, 1(2), 745-759. Link: <https://link.springer.com/article/10.1007/s43615-021-00052-x>
3. Păcurariu, R. L., **Lakatos, E. S.**, Nan, L. M., Bacali, L., & Seitoar, D. (2021, August). An analysis of European Union's circular economy indicators with focus on materials: implications for the manufacturing industry. In IOP Conference Series: Materials Science and Engineering (Vol. 1169, No. 1, p. 012011). IOP Publishing. Link: <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012011/meta>
4. Druța, R. M., Munteanu, R. A., **Lakatos, E. S.**, & Păcurariu, R. L. (2022). Analysis of weee legislation worldwide. Review of Management & Economic Engineering, 21(4). [https://www.rmee.org/abstracturi/86/10 Articol 660 Analysis%20of%20WEEE%20legi](https://www.rmee.org/abstracturi/86/10%20Articol%20660%20Analysis%20of%20WEEE%20legi)

[slation%20worldwide%20 RMEE 2021 DRUTA,LAKATOS,MUNTEANU,PACURARIU actualizat 16.12.2022.pdf](#)

5. Bîrgovan, A. L., Bacali, L., & **Lakatos, E. S.** (2022). How do startups embrace the circular economy?. Review of Management & Economic Engineering, 21(4).
https://www.rmee.org/abstracturi/86/11_Articol_661.pdf
6. Szilagyi, A., Cioca, L. I., Bacali, L., **Lakatos, E. S.**, & Bîrgovan, A. L. (2022). Consumers in the circular economy: A path analysis of the underlying factors of purchasing behaviour. International Journal of Environmental Research and Public Health, 19(18), 11333.
<https://doi.org/10.3390/ijerph191811333>
7. **Lakatos, E. S.**, Druta, R. M., Szilagyi, A., Bîrgovan, A. L., Cioca, L. I., & Vatca, S. D. (2022, October). An Exploratory Study on Implementing Circular Economy in Rural Family Businesses. In International Conference on Sustainable, Circular Management and Environmental Engineering (pp. 1-14). Cham: Springer Nature Switzerland.
https://link.springer.com/chapter/10.1007/978-3-031-23463-7_1
8. Karaeva, A., Tolkou, A., Cioca, L. I., & **Lakatos, E. S.** (2023). Family ISO 14000 standards as a tool of achieving environmental sustainability of enterprises. In IOP Conference Series: Earth and Environmental Science (Vol. 1126, No. 1, p. 012036). IOP Publishing.
<https://iopscience.iop.org/article/10.1088/1755-1315/1126/1/012036/meta>
9. Szilagyi, A., **Lakatos, E. S.**, & Bacali, L. (2023). Consumers' acceptance of recycled products: Instrument development and pilot testing. In E3S Web of Conferences (Vol. 408, p. 01004). EDP Sciences.
https://www.e3sconferences.org/articles/e3sconf/abs/2023/45/e3sconf_iscmee2023_01004/e3sconf_iscmee2023_01004.html
10. Ragazzi, M., Conti, F., Torretta, V., Zatelli, C., Ghiringhelli, G., **Lakatos, E.S.**, Rada E.C., (2023). MSW Management in Mountainous Areas: Outcomes from a Comparison Between Two Italian Provinces.CONECT. International Scientific Conference of Environmental and Climate Technologies.
<https://journals.rtu.lv/index.php/conect/article/view/CONNECT.2023.108/0>



11. **Lakatos E.S.**, Birgovan, L.A., Szilagy, A., Koval, V. Karshowsky, A.B., (2023). The role of living-labs in cities' transition to a circular economy, International Scientific Journal Innovative Economics and Management, E-ISSN:2449-2604.
12. **Lakatos, E.S.**, Clinci, S.D., Koval, V., and Lakatos, G.D., (2023). Creating Livable Cities through Sustainable Built Environments in the Circular Economy, International Scientific Journal Innovative Economics and Management E-ISSN:2449-2604, Vol 10, No2. , <https://doi.org/10.46361/2449-2604.10.2.2023.260-270>
13. **Lakatos, E.S.**, Clinci, S.D., Koval, V., and Lakatos, G.D., (2023). Creating Livable Cities through Sustainable Built Environments in the Circular Economy, International Scientific Journal Innovative Economics and Management E-ISSN:2449-2604, Vol 10, No2. , <https://doi.org/10.46361/2449-2604.10.2.2023.260-270>
14. Barnisca M., Sim A., Bîrgovan A.L., **Lakatos E.S.**, (2024) Behavioral analysis of daily food waste in Baia Mare: an insightful study”, Revista de Management și Inginerie Economică, nr.1/2024, cod ISSN 1583-624X, Editura UT PRESS, Cluj-Napoca.
15. Sim A., Bercea O.B., David G.M., **Lakatos E.S.**, (2024).Evaluating the efficiency and beneficiary satisfaction of the social enterprise certification process in Cluj, Revista de Management și Inginerie Economică, nr.1/2024, cod ISSN 1583-624X, Editura UT PRESS, Cluj-Napoca.
16. Stoica, R. M., Moscovici, M., Bâzdoacă, C., **Lakatos, E. S.**, & Cioca, L. I. (2024). Biosurfactant Production By Pseudomonas Fluorescens Strain. Scientific Bulletin Series F. Biotechnologies,28(1). https://biotechnologyjournal.usamv.ro/pdf/2024/issue_1/Art15.pdf
17. Birgovan, A. L., **Lakatos, E. S.**, Nita, V., & Sim, A. (2024). A Review of Circularity Indicators and Psychological Factors: a Comprehensive Analysis of Circularity Practices in Organizations. Economics. Ecology. Socium, 8(1), 16-26. <https://doi.org/10.61954/2616-7107/2024.8.1-2>
18. **Lakatos, E. S.**, Cioca, L. I., Geng, Y., & Rada, E. C. (2024). Environmental impacts of tobacco product waste: An investigation on littering attitudes. Circular Economy and

Articole publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate

1. **Lakatos, E. S.**, Bacali, L., Bercea, O. B., Muresan, C. M., & Moldovan, A. (2015, December). The benefits of IT tools in innovation process for SME sustainability. Third International Conference on Advances in Management, Economics and Social Science - MES 2015. ISBN: 978-1-63248-081-1, doi: 10.15224/ 978-1-63248-081-1-43. Link: https://www.researchgate.net/profile/Elena-Lakatos/publication/288669765_The_benefits_of_IT_tools_in_innovation_process_for_SME_sustainability/links/60ec50f49541032c6d3355a8/The-benefits-of-IT-tools-in-innovation-process-for-SME-sustainability.pdf
2. Greenley M., Pavel O.A., Cristorean C., **Lakatos, E. S.** (2016). Analizând mediului intern și extern al aeroportului internațional "Avram Iancu", A XVI-a Conferința Națională multidisciplinară - cu participare internațională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii românești”, SEBEȘ, Sebes, Romania, ISSN 2067-7138, eISSN 2359 – 828X, Volume: 30, p.30-44. Link: <http://stiintasiinginerie.ro/30-44-analizand-mediului-intern-si-extern-al-aeroportului-international-avram-iancu-cluj/>
3. Cobuz A.P., **Lakatos, E. S.**, Greenley M., Orban M., 2017. Reciclarea materialelor textile pentru durabilitatea mediului înconjurător, A XVII-a Conferință internațională multidisciplinară „Profesorul Dorin PAVEL – fondatorul hidroenergeticii românești”, Sebeș, 2017 , Volumul 32, p.32-84. Link: <http://stiintasiinginerie.ro/32-84-reciclarea-materialelor-textile-pentru-durabilitatea-mediului-inconjurator/>
4. Neș A.M., **Lakatos, E. S.**, Orban M. & Crișan O.A., 2017. Valorificarea nămolurilor provenite de la stațiile de tratare a apelor uzate din perspectiva economiei circulare, A XVII-a Conferință internațională multidisciplinară „Profesorul Dorin PAVEL – fondatorul hidroenergeticii românești”, Sebeș, 2017 , Volumul 32. Link:

<http://stiintasiinginerie.ro/32-82-valorificarea-namolurilor-provenite-de-la-statiile-de-tratare-a-apelor-uzate-din-perspectiva-economiei-circulare/>

5. Cristorean C., **Lakatos, E. S.**, Orban M. & Crișan O.A., 2017. Metode și tehnologii eco-inovative pentru reducerea și reciclarea poluanților organici persistenți din mediul înconjurător – Prezentare Generală, A XVII-a Conferință internațională multidisciplinară „Profesorul Dorin PAVEL – fondatorul hidroenergeticii românești”, Sebeș, 2017 , Volumul 32. Link: <http://stiintasiinginerie.ro/32-80-metode-si-tehnologii-eco-inovative-pentru-reducerea-si-reciclarea-poluantilor-organici-persistenti-din-mediul-inconjurator-prezentare-general/>
6. **Lakatos, E.S.**, Crișan H.G., Scurtu I.L., Crișan O.A., Aspecte privind efectele poluării autovehiculelor asupra mediului înconjurător – Studiu de caz, A XVII-a Conferință internațională multidisciplinară „Profesorul Dorin PAVEL – fondatorul hidroenergeticii românești”, Sebeș, 2017, Volumul 32. Link: <http://stiintasiinginerie.ro/32-76-aspecte-privind-efectele-poluarii-autovehiculelor-asupra-mediului-inconjurator-studiu-de-caz/>
7. Moldovan, A., **Lakatos, E.S.**, Bacali, L., Bercea, O.B., Ripa, L. (2014). Analysis regarding the size and dynamics of Corporate Social Responsibility concept. MANAGEMENT BETWEEN PROFIT AND SOCIAL RESPONSIBILITY, 270-276.

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